

SUBJECT: SOIL EROSION

CATEGORY: USLE IN RELATION TO "T" VALUE\*

QUALIFIERS: 1997 PASTURELAND

REPORTING UNIT: AREA (ACRES IN THOUSANDS)

GEOGRAPHIC AREA: MISSOURI MAJOR LAND RESOURCE AREA 109

TABLE: SUMMARY OF SHEET AND RILL EROSION IN RELATION TO "T" VALUES ON PASTURELAND BY "T" CATEGORIES FOR MLRA 109

	> T <= 2T	> 2T <= 3T	> 3T <= 4T	> 4T <= 5T	> 5T
acres eroding above "t"	52	9	6	0	2
% of total mlra pastureland	4%	1%	<1%	0%	<1%
% of total mlra pastureland eroding above "t"	75%	1%	9%	0%	3%
% of total state pastureland	<1%	<1%	<1%	0%	<1%
% of total state pastureland eroding above	5%	1%	1%	0%	<1%
% of total state pastureland in "t" category	8%	5%	8%	0%	5%

MLRA 109 TOTAL SURFACE AREA = 5009  
TOTAL ACRES OF PASTURELAND = 1338  
TOTAL ACRES OF PASTURELAND ERODING ABOVE "T" = 69

MISSOURI: TOTAL ACRES OF PASTURELAND = 10849  
TOTAL ACRES OF PASTURELAND ERODING ABOVE "T" = 1007

\* USLE - Universal Soil Loss Equation. This equation estimates average annual soil loss from sheet and rill erosion. Location specific data for the field in which the NRI sample point falls or that portion of the field surrounding the point that would be considered in conservation planning are used in the NRI calculation. "T" Factor - The maximum rate of annual soil erosion that will permit crop productivity to be sustained economically and indefinitely.

DATA SOURCE: 1997 NATIONAL RESOURCES INVENTORY (REVISED DECEMBER 2000)

